zenitel

DATASHEET



1008123120

TFIX-2-V2

Ex IP Intercom Station with 6 buttons

- Ex IP intercom for potentially explosive atmospheres - Directive 2014/34/EU
- Ethernet compatible 2-wire interface
- ONVIF Compatible
- DIP functionality for use with AlphaCom audio servers
- SIP/VoIP functionality for use with 3rd-party systems
- Dust- and water-protected to IP66
- Monitoring and self-diagnostics of critical functionality
- Visible status indicators on front panel
- Integrated 25W amplifier for external loudspeaker
- Signal relay for external beacon

SIP | IC-Edge | ICX-AlphaCom | IP66 | IEC Ex Intercom | Atex | Active Noise Cancelling | IP over 2-wire

Description

The TFIX-2-V2 Explosion-proof intercom station is a rugged device, designed for harsh environments and meets industrial and offshore requirements as well as requirements for ATEX Zone 1 operation. The plastic housing is designed to withstand most chemical and environmental hazards found on- or offshore.

The TFIX-2-V2 features 6 programmable buttons.

The intercom station is fully digital and offers crystal clear audio with high output through an internal amplifier and 78 mm speaker, delivering over 90 dB SPL. Active Noise Reduction and Acoustic Echo Cancelling allows for hands-free two-way communication with superior audio quality. A built in 25W amplifier is also included to power an external Loudspeaker.

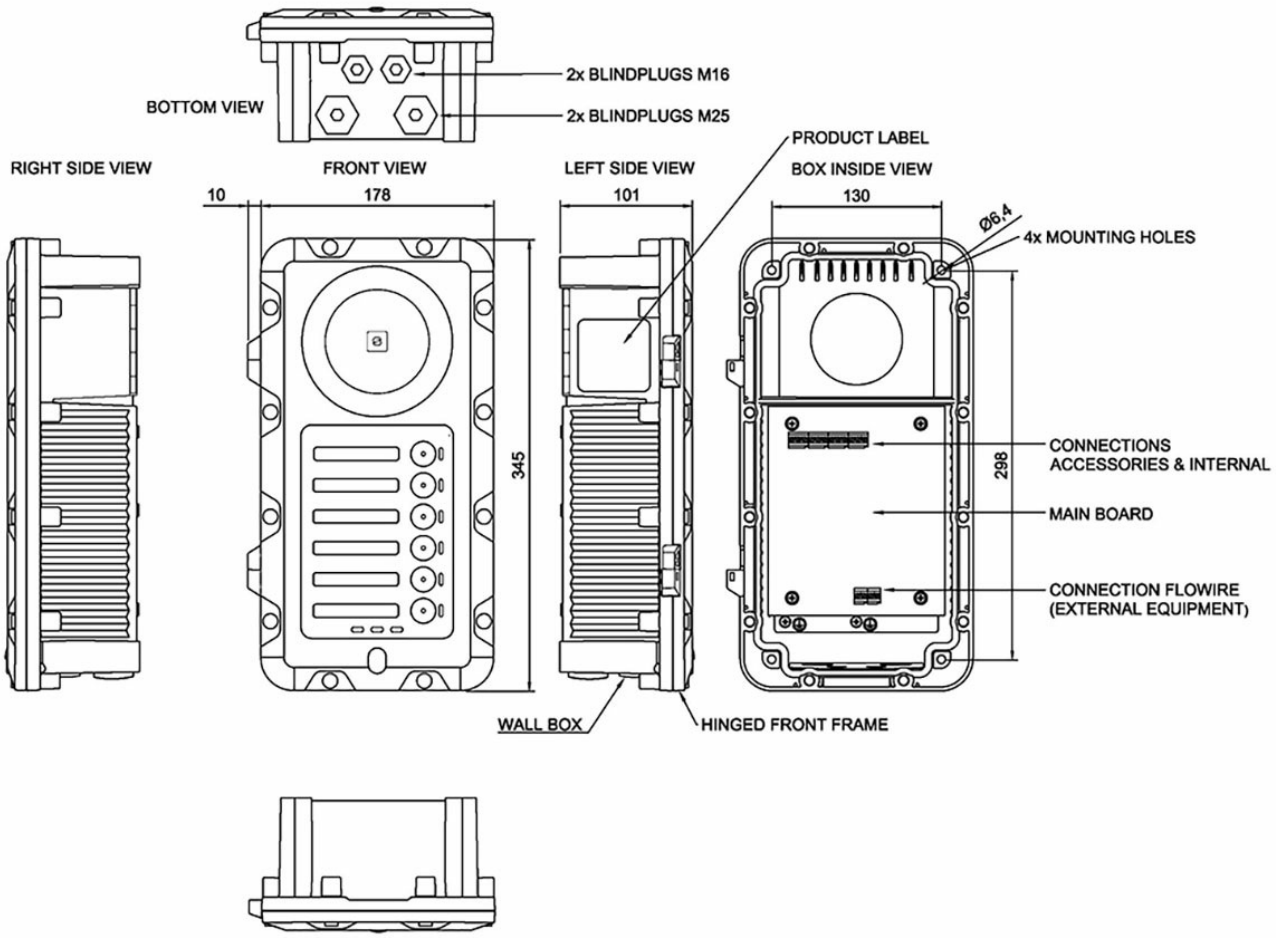
Intercom status indicators display the status of the system and are compatible with AlphaCom and Exigo systems as well as SIP functionality for use with 3rd party systems.

Technical Dimensions

www.zenitel.com info@zenitel.com Last revision date: 2025-06-27 16:00

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.



Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

Specifications

MECHANICAL	
Dimensions	345 x 178 x 101 mm
Weight	4 kg
Mounting	On-wall box (included)
Color	Black

ENVIRONMENTAL	
Operating temperature	-20°C to +55°C
Storage temperature	-40°C to +70°C
Operating humidity	10% to 95% RH (non-condensing)
Storage humidity	10% to 95% RH (non-condensing)
Air pressure	600 hPa to 1200 hPa
IP-rating	IP64 in accordance with IEC 60079-0
	IP66 in accordance with EN 60945
IK rating	4J

ELECTRICAL	
PoE	NO, proprietary 2-wire data- and powerbus
Power consumption	4.2 W (idle) to 8 W (max), 38.5W (max) with external loudspeaker
DC power	24-48 VDC (SELV)
	48 DVC PSU required when using external amplifier (One FCDC3 per station is also recommended when using external amplifier)

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

NETWORK

Connection	2 x 2-wire
Connection type	Screw terminals
Functions	Auto negotiating
Built-in switch	N/A
Compatibility	SIP, ICX-AlphaCom, IC-EDGE, G.711, G.722, G.729, HD Voice, ONVIF

INPUTS AND OUTPUTS

Handheld Microphone	Microphone (bal), PTT
Handset	Microphone (bal), Speaker (bal) + PTT
Headset	Microphone (bal), Speaker (bal), + PTT
Digital inputs/outputs	2 (Ex i type)
Relay outputs	1 (60VDC, 320mA, 10^8 operations)
Audio	Yes, for audio accessories
Aux power	Provided by network cable
External speaker amplifier	25W class D
External speaker specifications	Impedance=8Ohm, minimum rated power: 25W
	Impedance=20Ohm, minimum rated power: 10W

CERTIFICATIONS

Immunity	EN 60945, EN 61000-6-2
Emission	EN 60945, EN 61000-6-3, EN 61000-6-4
CENELEC safety standards	EN 60079-0:2018, EN 60079-7:2015/A1:2018, EN 60079-11:2012, EN 60079-18:2015/A1:2017
IEC safety standards	IEC 60079-0:2017, IEC 60079-7:2017, IEC 60079-11:2011, IEC 60079-18:2017
Marking	II 2(2) G Ex e ib mb [ib] IIC T4 Gb -20°C ≤ Ta ≤ +55°C

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.

OTHER SPECIFICATIONS

Warranty	2 Years standard warranty, extendible up to total of 5 years (additional fee)

Accessories



TAX-2B

Ex-Approved Plugbox & Cable for Headset with PTT

Item Number: 1008150025



TAX-3

EX Handset

Item Number: 1008150030



EMMAX-1H

Handheld Industrial EX Microphone For Exigo/Turbine

Item Number: 1023533511



FCDC3

Flowire Ethernet Converter - DC Voltage

Item Number: 1008080310



Power Supply 100-240VAC/48VDC 2A

Switched-mode power supply, 1-phase, 48 VDC output voltage, 2A current

Item Number: 2990000065



DSP-15 EExmN, 25W

Ex horn speaker for TFIX-V2 stations, 8 Ohm

Item Number: 2340010002



TNFCD2G212

Ex proof beacon, Ex de 24-48VDC GREEN, 1 x M25 gland

Item Number: 2340210022

Zenitel and its subsidiaries assume no responsibility for any errors that may appear in this publication, or for damages arising from the information therein. Zenitel products are developed and marketed by Zenitel. The company's Quality Assurance System is certified to meet the requirements in NS-EN ISO 9001. Zenitel reserves the right to modify designs and alter specifications without notice.

ZENITEL PROPRIETARY. This document and its supplementing elements, contain Zenitel or third party information which is proprietary and confidential. Any disclosure, copying, distribution or use is prohibited, if not otherwise explicitly agreed in writing with Zenitel. Any authorized reproduction, in part or in whole, must include this legend; Zenitel – All rights reserved.